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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/532,834	02/16/2006	Jonathan Michael Blackburn	40418-508N01US	8870
	7590 04/16/201 N COHN FERRIS GLC	EXAM	EXAMINER	
ONE FINANC	IAL CENTER	TSAY, MARSHA M		
BOSTON, MA	. 02111	ART UNIT	PAPER NUMBER	
		1656		
			MAIL DATE	DELIVERY MODE
			04/16/2010	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)	
10/532,834	BLACKBURN ET AL.	
Examiner	Art Unit	
Marsha M. Tsay	1656	

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The MAILING DATE of this communication appears on the cover sheet with the correspondence address								
THE REPLY FILED 02 April 2010 FAILS TO PLACE THIS APP	LICATION IN CONDITION FOR AL	LOWANCE.						
application, applicant must timely file one of the following application in condition for allowance; (2) a Notice of Appe	The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time							
a) The period for reply expires 6 months from the mailing date of the final rejection.								
no event, however, will the statutory period for reply expire to	ne period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In a event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of helial rejection. Aminier Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO							
Examine Note: it box it is enecked inter box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).								
Extensions of time may be obtained under 37 CFR 1.138(a). The date on which the petition under 37 CFR 1.138(a) and the appropriate extension fea have been filled it be date for purposes of determining the period of extension and the corresponding amount of the fea. The appropriate extension fea under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set on the control of the final rejection, even if timely filled, may reduce any earned patient term adjustment. See 37 CFR 1.73(4);								
NOTICE OF APPEAL 2. The Notice of Appeal was filed on A brief in comp	liance with 37 CER 41 37 must be t	iled within two months	of the date of					
2. The Notice of Appeal was filed on A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filling the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(a)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).								
<u>AMENDMENTS</u>								
 In proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because (a) They raise new issues that would require further consideration and/or search (see NOTE below); (b) They raise the issue of new matter (see NOTE below); 								
(c) They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or								
(d) They present additional claims without canceling a of NOTE: (See 37 CFR 1.116 and 41.33(a)).	corresponding number of finally reje	cted claims.						
The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324). Applicant's reply has overcome the following rejection(s):								
 Newly proposed or amended claim(s) would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s). 								
7. For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is prov. The status of the claim(s) is (or will be) as follows:		be entered and an e	xplanation of					
Claim(s) allowed: Claim(s) objected to:								
Claim(s) rejected: 40-42,44,71,79 and 80. Claim(s) withdrawn from consideration: 45-70 and 72-77. AFFIDAVIT OR OTHER EVIDENCE								
The affidavit or other evidence filed after a final action, bu because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e).								
 The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to o showing a good and sufficient reasons why it is necessary 	vercome <u>all</u> rejections under appear and was not earlier presented. Se	l and/or appellant fail e 37 CFR 41.33(d)(1	s to provide a).					
10. The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER		•						
 The request for reconsideration has been considered bu <u>See Continuation Sheet.</u> 		condition for allowan	ce because:					
2. Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s) 3. Other:								
	/Maryam Monshipouri/ Primary Examiner, Art U	nit 1656						

Continuation of 11, does NOT place the application in condition for allowance because: In their remarks after final, Applicants assert (1) Thinakaran does not describe a method in which a lysate comprising a ble fusion protein is contacted with a surface derivatized with a bleomycin family antibiotic, as required by claim 40. In particular, Thinakaran does not describe an in vitro binding assay in which a ble fusion protein binds to an antibiotic. The Examiner asserts that it would be reasonable for the skilled person to translate the use of an in vivo assay (referring to the selection of high expressing cells using antibiotic) to an in vitro assay (referring to the binding assay). However, to the extent Thinakaran teaches in vitro methods they are inapposite to Applicant's claimed invention; the skilled person would have no reason to use the in vitro binding assays described in Thinakaran to assess the binding of ble to an antibiotic because the specific nolecules to which ble binds were already known. Moreover, Thinakaran does not direct the skilled person to adpt in vivo binding of the fusion protein. Teachings that may be relevant for an in vivo assay described in this reference are not applicable to the claimed in vitro methods. Thinakaran's in vivo methods require the cells to be living and multiplying for selection to occur. Applicants' arguments have been fully considered but they are not persuasive.

(1) Response: As noted in the Final office action of December 7, 2009, Thinakaran discloses the use of in vivo cell viability assays (p. 22 (0252)), however, Thinakaran also discloses the use of in vito assays. The prior art's mere disclosure of net han one alternative does not constitute a teaching away from any of these alternatives because such disclosure does not criticize, discredit, or otherwise discourage the solution caliended." In re-fution, 391 F, 341 195, 1201, 73 USPO22 1141, 1146 (Fed. Cir. 2004). In this instead, it would be reasonable for one of ordinary skill to translate the use of an in vivo assay to an in vitro assay because Thinakaran discloses that both types of assays can be used to detect labeled proteins.

Thinakaran discloses a method for screening zecoln resistance in cells expressing a PS1 chimeric polypeptide (p. 21-22 [0248-0252]). A PS1 chimeric polypeptide comprises presentin flusated by PF (yellow fluorescent protein) and Sh le(a bit expression of protein polypeptide comprises presentin flusated by PF) (Pellow fluorescent protein) and Sh le(a bit expression of stimeric polypeptides comprising a bit marker using zecoin. Thinakaran discloses that other proteins, besides presentins, can be screened for Further. Thinakaran discloses that cell free assays, i.e. a binding assay, is within the scope of his invention. Thinakaran discloses that the binding assay can be used to assess whether a target molecule can interact with and/or stabilize an unstable protein (p. 9 [0105]). The unstable protein can be in solution, fixed to a support, expressed in a cell, and can be labeled (p. 9 [0105]). Since Thinakaran discloses that the labeled protein can be in solution (which one of ordinary skill would know can be a solution of lysate) and Takagi et al. discloses that the label protein can be in solution (which one of ordinary skill would know can be a solution of lysate) and Takagi et al. disclose that the idea of immobilizing antibiotics, i.e. bleomycin, onto the surface of a carrier is known in the art, it would have been obvious to one of ordinary skill at the time the invention was made to modify the method of Thinakaran et al. by immobilizing zection onto a surface as suggested by Takagi al. for screening and/or assessing the binding of a chimeric protein comprising a fluorescent marker and a Sh ble protein marker in an in vitro assay for determining protein binding or stability.

Regarding Applicants' remarks that the skilled person would have no reason to use the in vitro binding assays described in Thinakaran to assess the binding of ble to an antibiotic because the specific molecules to which ble binds were already known, it should be noted that Thinakaran discloses that the binding assay can be used to assess whether a target molecule (i.e. bleomycin) can interact with and/or stabilize an unstable protein (i.e. a chimeric polypeptide comprising a fluorescent marker and a Sh ble protein marker). It is not necessary that the prior art suggest the combination to achieve the same advantage or result discovered by applicant Seq. g., In re Kahn, 441 F.3d 977, 987, 78 USPQ2d 1329, 1336 (Fed. Cir. 2006). The fact that appellant uses a binding assay in a method for detecting protein expression and folding does not alter the conclusion that its use in a prior art method would have been prima facie obvious from the purpose disclosed in the references, i.e. a method for determining protein stability.

Additional reasons for maintaining the Thinakaran reference are the same as noted in the previous Office action.

The reasons for maintaining the Takagi et al. and Calmels et al. reference are also the same as noted in the previous Office action.